

# HISTORIC PROPERTY INVENTORY FORM

## IDENTIFICATION SECTION

Field Site No. 2736-ZA OAHP No. \_\_\_\_\_ Date Recorded 02 Oct. 1995  
Site Name Historic Primary Plutonium Storage Facility Annex Revised 25 August 1998  
Common Supply and Exhaust Ventilation Building  
Field Recorder M.S. Gerber, D.W. Harvey, J.K. Keating  
Owner's Name U.S. Department of Energy, Richland Operations Office  
Address P.O. Box 550  
City/State/Zip Code Richland, WA 99352

State of Washington, Department of Community Development  
Office of Archaeology and Historic Preservation  
111 21st Avenue Southwest, Post Office Box 48343  
Olympia, Washington 98504-8343 (206)753-4011

## LOCATION SECTION

Address Building 2736-ZA, 200 West Area  
City/Town/County/Zip Code Richland/Benton County/99352  
Twp 12N Range 25E Section 1 I/4 Section SW 1/4 1/4 Sec SE  
Tax No./Parcel No. \_\_\_\_\_ Acreage \_\_\_\_\_  
Quadrangle or map name Riverland, Washington Quad. - 7.5 min series 1986  
UTM References Zone 11 Easting 298170 Northing 5158320  
Plat/Block/Lot \_\_\_\_\_  
Supplemental Map(s) \_\_\_\_\_

### Status

☒ Survey/Inventory  
☐ National Register  
☐ State Register  
☐ Determined Eligible  
☐ Determined Not Eligible  
☐ Other (HABS, HAER, NHL)  
☐ Local Designation

### Photography

Photography Neg. No. HCRL Roll 372, Frames 17-19.  
(Roll No. & Frame No.)  
View of South, West and North Facades  
Date 1998

Photo at right: Roll 372, Frame 18.  
View of south and west facades.

Classification ☐ District ☐ Site ☒ Building ☐ Structure ☐ Object  
District Status ☒ NR ☐ SR ☐ INV  
Contributing ☒ Non-Contributing  
District/Thematic Nomination Name Hanford Site Manhattan Project and Cold War Historic District

## Description Section

### Materials & Features/Structural Types

Building Type Industry  
Plan Rectangular  
Structural System Reinforced Concrete  
No. of Stories One

### Roof Type

☐ Gable ☐ Hip  
☒ Flat ☐ Pyramidal  
☐ Monitor ☐ Other (specify) \_\_\_\_\_  
☐ Gambrel  
☐ Shed

### Roof Material

☐ Wood Shingle  
☐ Wood Shake  
☐ Composition  
☐ Slate  
☒ Tar/Built-up  
☐ Tile  
☐ Metal (specify) \_\_\_\_\_  
☒ Other (specify) Concrete Slab  
☐ Not visible

### Foundation

☐ Log ☐ Concrete  
☐ Post & Pier ☐ Block  
☐ Stone ☒ Poured  
☐ Brick ☐ Other (specify) \_\_\_\_\_  
☐ Not visible

### Cladding (exterior Wall Surfaces)

☐ Log  
☐ Horizontal Wood Siding  
Rustic/Drop ☐  
Clapboard ☐  
☐ Wood Shingle  
☐ Board and Batten  
☐ Vertical Board  
☐ Asbestos/Asphalt  
☐ Brick  
☐ Stone  
☐ Stucco  
☐ Terra Cotta  
☐ Concrete/Concrete Block  
☐ Vinyl/Aluminum Siding  
☐ Metal (specify) \_\_\_\_\_  
☒ Other (specify) Reinforced Concrete

### Integrity

(Include detailed description in  
Description of Physical Appearance)

	Intact	Slight	Moderate	Extensive
Changes to plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changes to windows	<u>N/A</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changes to original cladding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changes to interior	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



### High Styles/Forms (Check one or more of the following)

<input type="checkbox"/> Greek Revival	<input type="checkbox"/> Spanish Colonial Revival/Mediterranean
<input type="checkbox"/> Gothic Revival	<input type="checkbox"/> Tudor Revival
<input type="checkbox"/> Italianate	<input type="checkbox"/> Craftsman/Arts & Crafts
<input type="checkbox"/> Second Empire	<input type="checkbox"/> Bungalow
<input type="checkbox"/> Romanesque Revival	<input type="checkbox"/> Prairie Style
<input type="checkbox"/> Stick Style	<input type="checkbox"/> Art Deco/Art Moderne
<input type="checkbox"/> Queen Anne	<input type="checkbox"/> Rustic Style
<input type="checkbox"/> Shingle Style	<input type="checkbox"/> International Style
<input type="checkbox"/> Colonial Revival	<input type="checkbox"/> Northwest Style
<input type="checkbox"/> Beaux Arts/Neoclassical	<input type="checkbox"/> Commercial Vernacular
<input type="checkbox"/> Chicago/Commercial Style	<input type="checkbox"/> Residential Vernacular (see below)
<input type="checkbox"/> American Foursquare	<input checked="" type="checkbox"/> Other (specify)
<input type="checkbox"/> Mission Revival	<u>Industrial Vernacular</u>

### Vernacular House Types

<input type="checkbox"/> Gable Front	<input type="checkbox"/> Cross Gable
<input type="checkbox"/> Gable Front and Wing	<input type="checkbox"/> Pyramidal/Hipped
<input type="checkbox"/> Side Gable	<input type="checkbox"/> Other (specify) _____

## NARRATIVE SECTION

### Study Unit Themes (check one or more of the following)

<input type="checkbox"/>	Agriculture
<input type="checkbox"/>	Architecture/Landscape Architecture
<input type="checkbox"/>	Arts
<input type="checkbox"/>	Commerce
<input type="checkbox"/>	Communications
<input type="checkbox"/>	Community Planning/Development

<input type="checkbox"/>	Conservation
<input type="checkbox"/>	Education
<input type="checkbox"/>	Entertainment/Recreation
<input type="checkbox"/>	Ethnic Heritage (specify) _____
<input type="checkbox"/>	Health/Medicine
<input type="checkbox"/>	Manufacturing/Industry
<input type="checkbox"/>	Military

<input type="checkbox"/>	Politics/Government/Law
<input type="checkbox"/>	Religion
<input type="checkbox"/>	Science & Engineering
<input type="checkbox"/>	Social Movements/Organizations
<input type="checkbox"/>	Transportation
<input checked="" type="checkbox"/>	Other (specify) <u>Cold War Era</u>
<input checked="" type="checkbox"/>	<b>Study Unit Sub-Theme(s)</b> <u>Plutonium Finishing, Security</u>

### Statement of Significance

Date of Construction 1970-1971 Architect/Engineer/Builder Atlantic Richfield Hanford Company/U.S. Atomic Energy Commission

☒ In the opinion of the surveyor, this property appears to meet the criteria of the National Register of Historic Places.

☒ In the opinion of the surveyor, this property is located in a potential historic district (National and/or local).

The 2736-ZA Primary Plutonium Storage Annex was constructed at the same time as, and adjacent to, the 2736-Z Building to provide space for the ventilation equipment which controlled air pressure and filtration for the 2736-Z Primary Plutonium Storage Facility. Exhaust air is collected from the 2736-Z building vaults and filtered through two stages of high-efficiency particulate air (HEPA) filters in the 2736-ZA building and then discharged into the atmosphere through the 296-Z-6 ventilation exhaust stack. (The exhaust from the vaults was originally exhausted via the 234-5Z building ventilation system.) The building continues to serve its original function today.

The 2736-ZA building has played an important support role to the 2736-Z Primary Plutonium Storage Facility in providing a necessary facility for air ventilation equipment during the Cold War and post-Cold War era. It is therefore the conclusion of the U.S. Department of Energy that Building 2736-ZA is eligible for inclusion in the National Register of Historic Places under Criterion A as a contributing property within the Hanford Site Manhattan Project and Cold War Era Historic District.

### Description of Physical Appearance

The 2736-ZA facility is a one-story, 40 feet by 22 feet by 13 feet high, rectangular structure built of poured reinforced concrete. The building contains no windows and its roof is constructed of concrete with a built-up tar and felt surface. The 2736-ZA building consists of two rooms. Room 1, which originally contained the exhaust equipment and a 65-kw backup diesel generator, is approximately 11 feet by 11 feet. Room 2 is approximately 26 feet by 22 feet and houses the exhaust fans, filters, temperature readout devices, gamma and neutron detectors, a criticality alarm panel, a fire panel, and batteries for the 2736-Z Building. The ventilation system exhausts through testable HEPA filters and exits through the 296-Z-6 exhaust stack.

### Major Bibliographic References

Drawings: H-2-27965, H-2-27966

Nelson-Maki, Britta (B&W Hanford Company). July 1998. Personal Communication. Richland, Washington.

Westinghouse Hanford Company. 1995. *Plutonium Finishing Plant Final Safety Analysis Report*. WHC-SD-CP-SAR-021. Richland, Washington.